

ThinkPad® X220 Tablet (4296) - TopSeller (May 2011)

Personal Systems Reference (PSREF)

| Type-model | Processor | Memory | Widescreen display | Camera | Disk SATA GB ⁹ rpm | Optical in UltraBase | ThinkPad Ultrabase Series 3 | PCIe Mini Card WLAN | PCIe Mini Card WWAN | Carrier | Bat-tery cells | Intel vPro | Preload |
|---|---|--------|-------------------------|--------|-------------------------------|----------------------|-----------------------------|--------------------------|--|------------|----------------|------------|---------|
| 4296-3BU | i5-2520M | 4GBx1 | 12.5" HD <i>Outdoor</i> | 720p | 320G 7200 | Optional | Optional | Intel 6205 ²⁸ | Gobi 3000 | selectable | 6 | vPro | Pro 64 |
| 4296-3MU | i7-2640M | 4GBx1 | 12.5" HD <i>Multi</i> | 720p | 320G 7200 | DVD±RW | UltraBase | Intel 6205 | WWAN upg | | 6 | vPro | Pro 64 |
| 4296-3LU | i7-2640M | 4GBx1 | 12.5" HD <i>Multi</i> | 720p | 320G 7200 | Optional | Optional | Intel 6205 | WWAN upg | | 6 | vPro | Pro 64 |
| 4296-3VU | i5-2520M | 4GBx1 | 12.5" HD <i>Multi</i> | 720p | 128G SSD | DVD±RW | UltraBase | Intel 6205 | WWAN upg | | 6 | vPro | Pro 64 |
| 4296-3UU | i7-2640M | 4GBx1 | 12.5" HD <i>Multi</i> | 720p | 128G SSD | DVD±RW | UltraBase | Intel 6205 | WWAN upg | | 6 | vPro | Pro 64 |
| <ul style="list-style-type: none">• Small and medium business (SMB) model(s), part of the US TopSeller™ Program• A depot repair service 3-year limited warranty• Microsoft® Office 2010 Product Key Ready (O10PKR) | | | | | | | | | | | | | |
| Positioning Processor | <i>Convertible tablet ultraportable; one spindle</i> Intel® Core™ i5-2520M processor (dual-core, 2.50GHz, 3MB Cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology Intel Core i7-2640M processor (dual-core, 2.80GHz, 4MB Cache), DDR3 memory controller (up to 1333MHz), Intel Turbo Boost 2.0 (3.50GHz), HT technology | | | | | | | | Preloaded operating system²⁰ - Genuine Windows® 7 Professional 64 Ready to install applications¹⁴ (only some listed) • Rescue and Recovery™ • Access Connections™ • Fingerprint Software (fingerprint models) • Password Manager (fingerprint models) • ThinkVantage Power Manager • ThinkVantage Toolbox • Lenovo SimpleTap | | | | |
| Memory | 8GB max ⁷ / PC3-10600 1333MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets | | | | | | | | | | | | |
| Optical Ultrabay SATA disk | <i>Some:</i> DVD burner, removable from ThinkPad Ultrabase Series 3 Supports Ultrabay Slim devices in optional or standard ThinkPad Ultrabase Series 3 (0A33932) <i>Some:</i> Solid State Drive (SSD) / SATA 3.0Gb/s, 2.5" wide, 7mm high <i>Some:</i> Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ <i>All:</i> removable, upgradable, Shock Mounted Hard Drive, supports the second disk in optional or standard ThinkPad Ultrabase Series 3 | | | | | | | | | | | | |
| mSATA™ SSD | None | | | | | | | | | | | | |
| Widescreen display | <i>Outdoor:</i> 12.5" (317.5mm) HD (1366x768) TFT color , anti-glare display with scratch resistant Corning® Gorilla® Glass, LED backlight, 300 nits, 16:9 aspect ratio, 500:1 contrast ratio, 1.2% reflectivity, multiple anti-reflectivity layers, IPS <i>MultiTouch:</i> 12.5" (317.5mm) HD (1366x768) TFT color , anti-glare, LED backlight, 300 nits, 16:9 aspect ratio, 500:1 contrast ratio, IPS, MultiTouch screen supports pen & five-finger gesture <i>All:</i> WideView (170° viewing), anti-reflective and anti-glare protective coatings, write on screen with standard digitizer pen , pen holder in side base (right), rotate and swivel hinge , power, reset, and rotation buttons on display bottom | | | | | | | | Preloaded applications¹⁴ (only some listed) • Norton™ Internet Security 2011 (30 days of virus definitions) • Skype™ for Windows • Microsoft Office 2010 preloaded; purchase product key to activate • Corel® WinDVD® (DVD±RW) • Corel Burn.Now™ Lenovo Edition (DVD±RW) | | | | |
| Camera | HD720p resolution, wider view angle, low light sensitive, fixed focus | | | | | | | | | | | | |
| Graphics | Intel HD Graphics 3000 in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via DisplayPort (supports single-link DVI-D via cable 45J7915); supports dual independent display; <i>Maximum external resolution:</i> 2560x1600 (DisplayPort) @60Hz; 2048x1536 (VGA) @75Hz; 1920x1200 @60Hz (single-link DVI-D via cable 45J7915) | | | | | | | | Supports ThinkVantage® technologies | | | | |
| Keyboard TrackPoint® Touchpad ThinkLight™ | 7 row, 89-key, ThinkVantage button, spill-resistant, multimedia Fn keys TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar ¹³ , magnifying glass UltraNav™, buttonless touchpad below keyboard, Tap Zones, multi-touch None | | | | | | | | ThinkPad Ultrabase Series 3 • Provides desktop expansion and cable management for X220 and X220 Tablet • Easily connects to the bottom of the X220 or X220 Tablet for traveling • Converts ThinkPad to a two-spindle system with optional Ultrabay Slim accessories in right side: – DVD-ROM Ultrabay Slim Drive II SATA 1.5G/s 43N3292 – Serial ATA Hard Drive Bay Adapter III 43N3412 Disks supported (some): • 128GB 2.5" SSD II 0A33984 • 500GB Disk 7200 rpm 43N3423 | | | | |
| Dimensions ³ Weight ² Case material Battery - type Extended Battery Battery - life ¹⁰ | <i>without UltraBase; 3-cell:</i> 12.0" x 9" x 1.1-1.23"; 305mm x 228.7mm x 27-31.3mm <i>3-cell:</i> from 3.67 lb (1.66kg); <i>6-cell:</i> from 3.97 lb (1.80kg) <i>Display cover:</i> Magnesium + PCABS; <i>Bottom:</i> Magnesium alloy Lithium Ion 3-cell or 6-cell, supports optional external battery (0A36280) as 2nd battery None <i>3-cell (30Whr):</i> up to 4.0 hr; <i>6-cell (66Whr):</i> up to 8.8 hr; <i>slice battery (64Whr):</i> up to 9.0 hr; <i>6-cell plus slice battery:</i> up to 17.8 hr | | | | | | | | | | | | |
| Chipset | Mobile Intel QM67 Express Chipset | | | | | | | | | | | | |
| Ultrabase Multicard Reader ExpressCard Ports | <i>Some:</i> ThinkPad Ultrabase Series 3 (see right side) 4-in-1 reader (SD, SDHC, SDXC, MMC) One slot (ExpressCard/34, ExpressCard/54) Three USB 2.0 (one powered), external monitor (VGA DB-15, DisplayPort), ethernet (RJ-45) | | | | | | | | | | | | |
| PCIe Mini Card WLAN ⁴ WWAN | Two PCI Express Mini Card slots 11a/b/g/n, PCIe Half Mini Card, Intel Centrino® Advanced-N 6205, 2x2 <i>Some:</i> Wireless WAN upgradable <i>Some:</i> Wireless WAN, Qualcomm® Gobi™ 3000 chipset, PCIe Mini Card, EV-DO Rev. A, GPRS/WCDMA/HSPA, GPS <i>Some:</i> User selectable at first boot, AT&T®, Verizon®, or Sprint®, contract required with service provider | | | | | | | | Other features: • Power button (front) • Security key lock, security keyhole • Analog VGA DB-15 monitor port • DisplayPort (supports single-link DVI-D via cable 45J7915) • Four USB 2.0 ports • Gigabit ethernet (RJ-45) port • Microphone in and headphone out • Requires 65W or 90W AC adapter • 1.39 lb; 630g | | | | |
| Modem Bluetooth™ Ethernet Intel AMT Audio support | None Bluetooth 3.0 wireless, LED indicator Intel 82579LM Gigabit Network Connection (Lewisville), PHY, PCIe x1 Intel Active Management Technology (iAMT) High Definition (HD) Audio, Conexant 20672 codec / stereo speakers, 1 watt x 2 / volume up, down, mute buttons / dual array microphone, combo audio/mic jack Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant UPEK Fingerprint reader (right base of display), used in tablet/notebook mode, LED indicator, Power On Authentication, supports the security chip | | | | | | | | | | | | |
| Security Security chip Fingerprint reader | | | | | | | | | | | | | |
| Limited warranty ¹² | 3-years/1-yr battery - depot repair service / service upgrades²² available | | | | | | | | 65-watt AC Adapter ENERGY STAR® 5.0-compliant ROHS-compliant International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free support during the warranty period ¹² via 800-426-7378 | | | | |

See footnotes for more detailed information

US model(s) announced May 10 or October 4, 2011, or January 3, 2012

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